

LANCE UWG Submitted Action Items and Recommendations

UWG Action Topic	Description	Submission Date	Priority	Status	Completion Date
Reduced Latency	Investigate the use of AMSR-E Direct Broadcast data and the provision of L1 and L2A algorithm codes to the Direct Readout Laboratory at GSFC	Nov 2010 UWG mtg	High	Prototype test of DB data successfully completed. Algorithm codes not completed due to instrument anomaly.	Sep 2011
	Investigate NRT products not available from the current EOS DB community that are needed with less latency than the 2-3 hours that is currently offered by LANCE	Nov 2010 UWG mtg	Low	Completed. Satisfaction express by Pat Coronado and other users using CONUS data. Not the case for AMSR-E and some international users.	Dec 2010
New/Enhanced Products	Investigate adding a rolling daily Nadir Bidirectional Reflectance Distribution Function (BRDF) adjusted Reflectance (NBAR) product to LANCE-MODIS	Nov 2010 UWG mtg	Medium	Investigated and not able to establish a user community of any significance	Feb 2011
	Investigate generating incremental AMSR-E products to reduce the L3 latency	Nov 2010 UWG mtg	Low	Completed. Produced incremental AMSR-E L3 products.	Mar 2011
	Extend the period for overlap of MODIS Collection 5 and 6 products	Nov 2010 UWG mtg	High	Agreed to but additional hardware required. C6 processing has not yet started.	Projected late 2012
	Investigate adding other element products, e.g., AMSR-E rain rate data to Rapid Response	Nov 2010 UWG mtg	High	AMSR-E rain rate data added to RR. After June 2011 UWG telecom, sixty additional products added based on use case matrix.	Jun 2011
	Generate and distribute daily and weekly snow maps in LANCE-MODIS at the request of Dorothy Hall (GSFC)	Jun 2011 UWG telecom	High	Completed	Oct 2011
	Generate and Distribute the NRL Aerosol Assimilation product from LANCE-MODIS at request of Ed Hyer (NRL)	Jun 2011 UWG telecom	High	In progress	Projected Fall 2012
	Generate and distribute L1B Band 31 products from LANCE-MODIS at the request of Andrew Archer (US Antarctic Program), Paul Morin (Polar Geospatial Center, University of Minnesota), and Andrew Fleming (British Antarctic Survey)	Jun 2011 UWG telecom	High	Completed	Jan 2012
Data Access	Perform trade studies for LANCE data distribution techniques	Nov 2010 UWG mtg	Medium	Completed. Currently testing and evaluating datacasting as an option.	Spring 2011
	Perform trade studies for visualization techniques	Nov 2010 UWG mtg	Medium	Completed. Resulted in the Tiled Web Mapping Service.	Summer 2011
	Complete the Web Mapping Service and the Web Coverage Service for LANCE-MODIS	Nov 2010 UWG mtg	High	WMS client (and Worldview) complete for all LANCE elements	Dec 2011
Additional Tools	Investigate adding product formats such as BUFR, netCDF, and GeoTiff for all elements	Nov 2010 UWG mtg	Medium	netCDF implemented for MODIS. GeoTiff will also be supported by the Tiled WMS.	Ongoing and needs to be worked on
	Verify that compression for LANCE data is implemented	Nov 2010 UWG mtg	High	Completed. Data are compressed.	Nov 2010
	Investigate using standard tool sets (e.g., sub-setting) for all elements and investigate software re-use across elements	Nov 2010 UWG mtg	Low	HDFEOS Subsetter is available from UAH. Rapid Response software and processes reused for other LANCE Elements.	Needs to be re-opened
LANCE Web Site	Investigate generating browse products for all LANCE elements	Nov 2010 UWG mtg	Low	AMSR-E browse completed. Worldview replaces browse data for individual instruments.	Dec 2011
	Add interactive area for users	Nov 2010 UWG mtg	Medium	This is being considered for inclusion within the Earthdata web site, which will house LANCE	Summer 2012
	Add links for access to Direct Broadcast data	Nov 2010 UWG mtg	High	Completed in the LANCE dev site -- being migrated to Earthdata	Jan 2011
	Plan Near-Real Time Symposium to include data providers other than LANCE	Nov 2010 UWG mtg	Medium	No progress	
	Add linkages of NRT data available from EOSDIS assets	Nov 2010 UWG mtg	Medium	Completed. Available on LANCE website.	Jan 2011
Outreach	Investigate and implement publication metrics	Nov 2010 UWG mtg	Low	TBD	Dropped
	Evaluate FEMA's need for LANCE data	Nov 2010 UWG mtg	High	Completed. FEMA now using FIRMS and RR data products.	Spring 2011
	Generate UWG debrief/report	Nov 2010 UWG mtg	Medium	Completed. Available on LANCE website.	Jan 2011
	Publish EOS article for LANCE	Nov 2010 UWG mtg	High	The Earth Observer -- March/April 2011	Feb 2011
	Develop standard LANCE presentation, citation, acknowledgement guide, and improved flyer	Nov 2010 UWG mtg	Low	Continuous	
	Investigate the feasibility of forming a NASA-wide IWG for NRT data	Nov 2010 UWG mtg	Low	Completed. Did not seem appropriate after consultation. IWG too sprawling.	Spring 2011